

Environmental Protection Agency

Pt. 98, Subpt. HH, Table HH-1

or statement that temperature is incorporated into internal calculations run by the monitoring equipment.

(5) An indication of whether destruction occurs at the landfill facility or off-site. If destruction occurs at the landfill facility, also report an indication of whether a back-up destruction device is present at the landfill, the annual operating hours for the primary destruction device, the annual operating hours for the back-up destruction device (if present), and the destruction efficiency used (percent).

(6) Annual quantity of recovered CH₄ (metric tons CH₄) calculated using Equation HH-4 of this subpart.

(7) A description of the gas collection system (manufacture, capacity, number of wells, etc.), the surface area (square meters) and estimated waste depth (meters) for each area specified in Table HH-3 of this subpart, the estimated gas collection system efficiency for landfills with this gas collection system, and the annual operating hours of the gas collection system.

(8) Methane generation corrected for oxidation calculated using Equation HH-5 of this subpart, reported in metric tons CH₄.

(9) Methane generation (G_{CH₄}) value used as an input to Equation HH-6 of this subpart. Specify whether the value is modeled (G_{CH₄} from HH-1 of this subpart) or measured (R from Equation HH-4 of this subpart).

(10) Methane generation corrected for oxidation calculated using Equation HH-7 of this subpart, reported in metric tons CH₄.

(11) Methane emissions calculated using Equation HH-6 of this subpart, reported in metric tons CH₄.

(12) Methane emissions calculated using Equation HH-8 of this subpart, reported in metric tons CH₄.

§ 98.347 Records that must be retained.

In addition to the information required by § 98.3(g), you must retain the calibration records for all monitoring equipment, including the method or manufacturer's specification used for calibration.

§ 98.348 Definitions.

All terms used in this subpart have the same meaning given in the Clean Air Act and subpart A of this part.

TABLE HH-1 TO SUBPART HH OF PART 98—EMISSIONS FACTORS, OXIDATION FACTORS AND METHODS

Factor	Default value	Units
Waste model—bulk waste option		
k (precipitation <20 inches/year and no leachate recirculation).	0.02	yr ⁻¹
k (precipitation 20–40 inches/year and no leachate recirculation).	0.038	yr ⁻¹
k (precipitation >40 inches/year or for landfill areas with leachate recirculation).	0.057	yr ⁻¹
L ₀ (Equivalent to DOC = 0.2028 when MCF = 1, DOC _F = 0.5, and F = 0.5).	0.067	metric tons CH ₄ /metric ton waste
Waste model—All MSW landfills		
MCF	1.	
DOC _F	0.5.	
F	0.5.	
Waste model—MSW using waste composition option		
DOC (food waste)	0.15	Weight fraction, wet basis
DOC (garden)	0.2	Weight fraction, wet basis
DOC (paper)	0.4	Weight fraction, wet basis
DOC (wood and straw)	0.43	Weight fraction, wet basis
DOC (textiles)	0.24	Weight fraction, wet basis
DOC (diapers)	0.24	Weight fraction, wet basis
DOC (sewage sludge)	0.05	Weight fraction, wet basis
DOC (bulk waste)	0.20	Weight fraction, wet basis
k (food waste)	0.06 to 0.185 ^a	yr ⁻¹
k (garden)	0.05 to 0.10 ^a	yr ⁻¹